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**TRAINING EFFECTIVENESS IMPROVEMENTS OF
CARDIOPULMONARY RESUSCITATION SKILLS BASED
ON 2010 CPR GUIDELINE IN EMERGENCY MEDICINE**

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Zhan Wei, Xu Jia, Zhan Hong, Xiong Yan. 单位. *Department of Emergency Medicine, The First Affiliated Hospital, SUN Yat-sen University, Guangzhou 510080, China*

Objectives To evaluate and analyse the training effectiveness improvements of cardiopulmonary resuscitation (CPR) skills based

on 2010 CPR guideline in emergency medicine.

Methods 60 clinical training doctors in the First Affiliated Hospital of SUN Yat-sen University, who were trained in the emergency department from August 2010 to August 2011, were taken into this research. Among them, 30 doctors assigned into control group, entered emergency department before 2010 CPR guideline was published and were exposed to be trained based on 2005 CPR guideline and the other 30 doctors assigned into experimental group, were trained after 2010 CPR guideline was published and were trained based on 2010 CPR guideline. Theory and skill-practice tests were employed to evaluate the training effectiveness after the training course was finished in both groups.

Results Total scores of the experimental group are higher than those of the control group. The theory test scores have no significant difference between two groups, while the experimental group acts better in skill-practice test.

Conclusions It seems helpful to improve training effectiveness of basic life-support procedures in medical staff based on the adjustment of 2010 CPR guideline.